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PATENTS

IN RE APPLICATION OF:
FRANK W. KOTZUR ET AL.
SERIAL No. 09/853862

EXAMINER: CHRISTOPHER R. HARMON
ART UNIT: 3721
FILED: 5/14/2001

AUTOMATIC COIL WINDING AND BOXING APPARATUS

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26 MARCH 2003

DEAR S I R:

SUBMISSION OF OFFICIAL EPO SEARCH REPORT

Attached is a copy of the subject report issued in the counterpart EP0 patent application Nr. 02253350.9-2308 and dated 26 February 03.

It is requested that this report be made of record in the file of the subject application.

Respectfully submitted,
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SUBMISSION OF OFFICAL EPO SEARCH REPORT
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Europäisches
Patentamt

Zweigstelle
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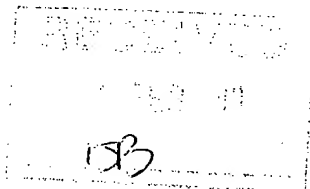
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Datum/Date

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Zeichen/Ref./Réf.

IJB/20721

Anmeldung Nr./Application No./Demande n°/Patent Nr./Patent No./Brevet n°

02253350.9-2308-

Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire

Windings, Inc.

COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

☐ Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

The following specifications given by the applicant have been approved by the Search Division:

☐ abstract

☒ title

☒ The abstract was modified by the Search Division and the definitive text is attached to this communication.

The following figure will be published together with the abstract: 1, 17

REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.





DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
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A	US 2 888 214 A (W.J. WILKE) 26 May 1959 (1959-05-26)		
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			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			B65B B65H B65D
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
THE HAGUE		18 February 2003	D'Hulster, E
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			
T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 02 25 3350

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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18-02-2003

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ABSTRACT / ZUSAMMENFASSUNG / ABREGE

02253350.9

A machine for winding and boxing wound coils of filamentary material having a payout hole extending from the outer to the inner coil winding, a turret mechanism (36) mounting two oppositely disposed end forms (32,34,38) and corresponding collapsible mandrels (33,39) and operative between first and second stations, wherein the first station (30) enables filamentary material to be wound on one of the mandrels (33,35) and associated end form (32,34) and a second station wherein the mandrel (39) and end form (38) containing the wound coil is rotated to confront a boxing station; a boxing station including a platform having a movable back panel, a base panel and an inclined ramp facing the second station and being movable towards and away from second station for receiving the wound coil (40) from the collapsible mandrel; the boxing station receiving an unfolded box deposited on the base panel with a box back panel folded against the back panel and including means for folding two opposite side panels of the box to enable reception of the wound coil in the partially assembled box; payout tube (92) inserting means for inserting a payout tube (92) in the payout hole of the wound coil through a payout hole in the top panel (83) of the box and including means (102) for grasping the free end of the wound coil and withdrawing it through the payout tube (92); and the boxing station including means for folding, gluing and sealing the flaps of the box.